

Abstract

The present invention proposes a method for manufacturing a stator for an electric machine, in which strip-shaped laminations (21) are first stacked to form an essentially block-shaped lamination packet (40) that is then shaped into an annular form by means of roller bending in one of the subsequent steps; the annular form has an axial direction (a), which corresponds to a cylinder axis (z), and axial end surfaces (46). In another of the subsequent steps, the annular lamination packet (40) is plastically deformed in the axial direction (a) at least in some parts of the axial end surfaces (46).

The present invention also proposes a stator for an electric machine, in particular a generator for motor vehicles, which is comprised of a stator yoke that is composed of rolled strip-shaped laminations (21) and has axial end surfaces (46). The stator yoke is plastically deformed in the axial direction (a) on the end surfaces (46).

Finally, the present invention also proposes a stator for an electric machine, in particular a generator for motor vehicles, which has a stator yoke that is comprised of rolled strip-shaped laminations (21) and has axial end surfaces (46). The stator yoke has an axial length at its inner diameter that is greater than at its outer diameter.

(Fig. 8)